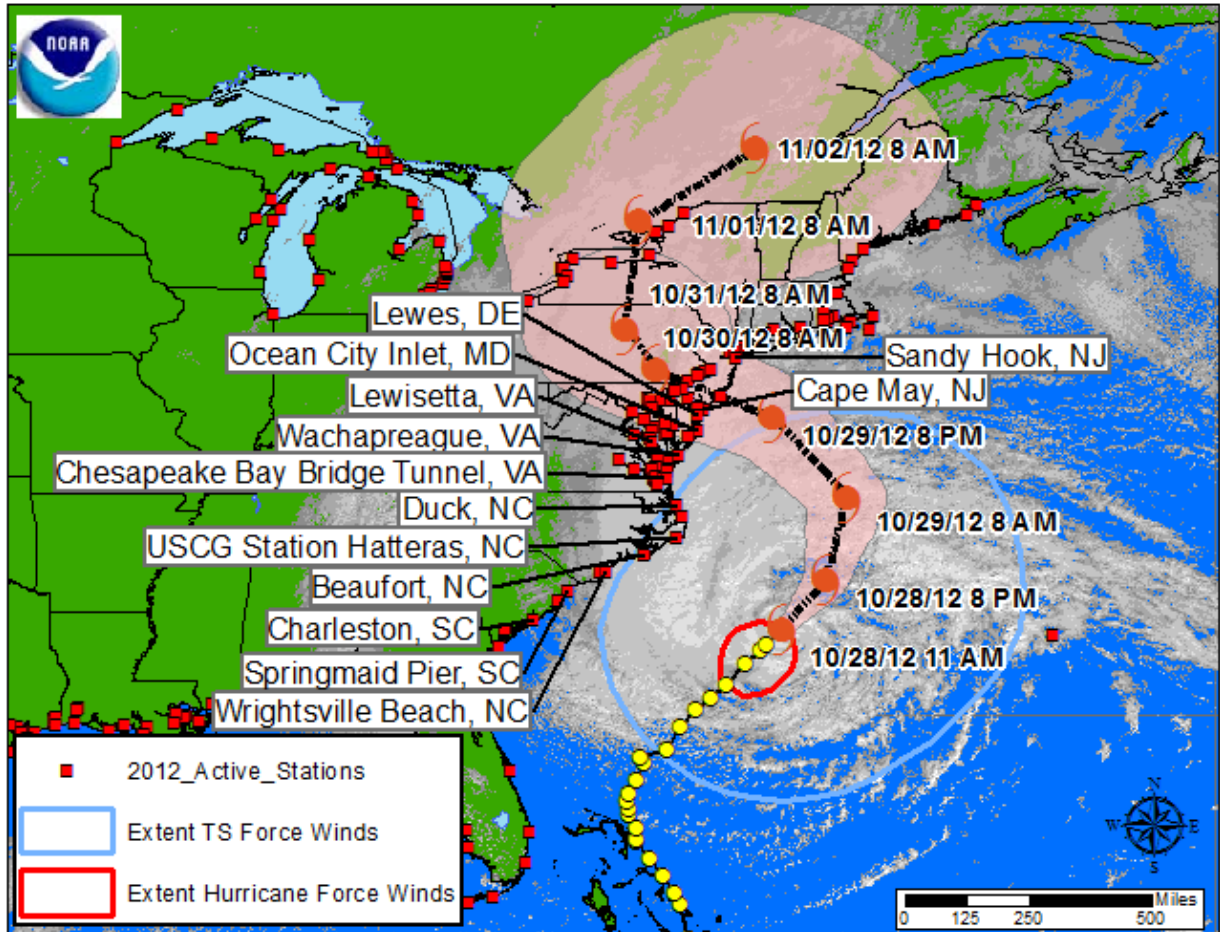




Hurricane SANDY QuickLook
Posted: 12:00 EDT 10/28/2012



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/28/2012 12:00 EDT, water levels from northern Florida to Delaware are elevated. Water level residuals along northeast Florida, Georgia and South Carolina are elevated, and water level residuals are still up to 2 feet above predicted at some locations. Water levels from North Carolina to New Jersey are rising and range from 1.5 to 3.6 feet above tidal predictions.

Winds along the South Carolina coast range from 10 to 20 knots with some gusts up to 25 knots. Wind speeds from North Carolina to the Chesapeake Bay Bridge Tunnel, VA are rising and range from 20 to 40 knots with some gusts to 50 knots along the Outer Banks of North Carolina. Winds along the Atlantic coast from Wachapreague, VA to Sandy Hook, NJ range from 10-30 knots with higher gusts. Barometric pressure continues to fall from North Carolina to New Jersey.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Hurricane SANDY QuickLook, POSTED 12:00 EDT 10/28/2012

Wrightsville Beach, NC: Next predicted high tides are 4.2 ft (1.28 m) at 10/28/2012 19:11 EDT and 4.9 ft (1.51 m) at 10/29/2012 07:31 EDT.

Beaufort, NC: Next predicted high tides are 3.3 ft (1.01 m) at 10/28/2012 23:41 UTC and 3.8 ft (1.18 m) at 10/29/2012 12:08 UTC.

USCG Station Hatteras, NC: Next predicted high tides are 0.8 ft (0.24 m) at 10/28/2012 20:38 EDT and 0.9 ft (0.29 m) at 10/29/2012 08:59 EDT.

Duck, NC: Next predicted high tides are 3.3 ft (1.02 m) at 10/28/2012 19:20 EDT and 4.0 ft (1.25 m) at 10/29/2012 07:41 EDT.

Chesapeake Bay Bridge Tunnel, VA: Next predicted high tides are 2.7 ft (0.81 m) at 10/28/2012 20:16 EDT and 3.2 ft (0.99 m) at 10/29/2012 08:37 EDT.

Wachapreague, VA: Next predicted high tides are 4.3 ft (1.32 m) at 10/28/2012 20:16 EDT and 5.0 ft (1.54 m) at 10/29/2012 08:43 EDT.

Lewisetta, VA: Next predicted high tides are 1.6 ft (0.50 m) at 10/28/2012 13:23 EDT and 1.4 ft (0.44 m) at 10/29/2012 01:42 EDT.

Ocean City Inlet, MD: Next predicted high tides are 2.2 ft (0.66 m) at 10/28/2012 19:50 EDT and 2.6 ft (0.79 m) at 10/29/2012 08:19 EDT.

Lewes, DE: Next predicted high tides are 4.2 ft (1.27 m) at 10/28/2012 20:38 EDT and 4.9 ft (1.50 m) at 10/29/2012 08:55 EDT.

Cape May, NJ: Next predicted high tides are 5.0 ft (1.53 m) at 10/28/2012 20:31 EDT and 5.7 ft (1.74 m) at 10/29/2012 08:49 EDT.

Sandy Hook, NJ: Next predicted high tides are 5.0 ft (1.51 m) at 10/28/2012 19:41 EDT and 5.5 ft (1.71 m) at 10/29/2012 08:01 EDT.

Springmaid Pier, SC: Next predicted high tides are 5.4 ft (1.66 m) at 10/28/2012 19:22 EDT and 6.0 ft (1.84 m) at 10/29/2012 07:41 EDT.

Charleston, SC: Next predicted high tides are 5.7 ft (1.72 m) at 10/28/2012 19:51 EDT and 6.3 ft (1.94 m) at 10/29/2012 08:09 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:KG

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE SANDY ADVISORY NUMBER 25

1100 AM EDT SUN OCT 28 2012

...SANDY EXPECTED TO BRING LIFE-THREATENING STORM SURGE FLOODING TO THE MID-ATLANTIC COAST...INCLUDING LONG ISLAND SOUND AND NEW YORK HARBOR...
...WINDS EXPECTED TO BE NEAR HURRICANE FORCE AT LANDFALL...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * CAPE FEAR TO DUCK NORTH CAROLINA
- * PAMLICO AND ALBEMARLE SOUNDS
- * BERMUDA

IN ADDITION...HURRICANE-FORCE WINDS ARE EXPECTED ALONG PORTIONS OF THE COAST BETWEEN CHINCOTEAGUE VIRGINIA AND CHATHAM MASSACHUSETTS.
THIS INCLUDES THE MIDDLE AND UPPER CHESAPEAKE BAY...DELAWARE BAY...AND THE COASTS OF THE NORTHERN DELMARVA PENINSULA...NEW JERSEY...THE NEW YORK CITY AREA...LONG ISLAND...CONNECTICUT...AND RHODE ISLAND.

TROPICAL STORM FORCE WINDS ARE EXPECTED NORTH OF CHATHAM TO MERRIMACK RIVER MASSACHUSETTS...THE LOWER CHESAPEAKE BAY...AND SOUTH OF CHINCOTEAGUE TO DUCK NORTH CAROLINA...THE NORTHERN ENDPOINT OF THE TROPICAL STORM WARNING.

OTHER COASTAL AND INLAND WATCHES AND WARNINGS ARE IN EFFECT FOR THESE AREAS. PLEASE SEE STATEMENTS FROM LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 AM EDT...THE CENTER OF HURRICANE SANDY WAS LOCATED NEAR LATITUDE 32.5 NORTH...LONGITUDE 72.6 WEST. SANDY IS MOVING TOWARD THE NORTHEAST NEAR 14 MPH...AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE TODAY. A TURN TO THE NORTH AND THEN THE NORTHWEST IS

EXPECTED TONIGHT AND EARLY MONDAY. ON THE FORECAST TRACK...THE CENTER OF SANDY IS EXPECTED TO BE NEAR THE COAST MONDAY NIGHT.

MAXIMUM SUSTAINED WINDS ARE NEAR 75 MPH...WITH HIGHER GUSTS. SANDY IS EXPECTED TO TRANSITION INTO A FRONTAL OR WINTERTIME LOW PRESSURE SYSTEM PRIOR TO LANDFALL. HOWEVER...THIS TRANSITION WILL NOT BE ACCOMPANIED BY A WEAKENING OF THE SYSTEM...AND IN FACT A LITTLE STRENGTHENING IS POSSIBLE DURING THIS PROCESS. SANDY IS EXPECTED TO WEAKEN AFTER MOVING INLAND.

HURRICANE-FORCE WINDS EXTEND OUTWARD UP TO 175 MILES...FROM THE CENTER...AND TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 520 MILES. AN AUTOMATED STATION AT CAPE HATTERAS RECENTLY REPORTED SUSTAINED WINDS OF 49 MPH...WITH A GUST TO 63 MPH.

THE MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE HURRICANE HUNTER AIRCRAFT WAS 951 MB.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE ALREADY OCCURRING OVER COASTAL NORTH CAROLINA AND SOUTHEASTERN VIRGINIA. GALE FORCE WINDS ARE EXPECTED TO ARRIVE ALONG PORTIONS OF THE MID-ATLANTIC COAST LATER TODAY... AND REACH LONG ISLAND AND SOUTHERN NEW ENGLAND BY MONDAY MORNING. WINDS OF HURRICANE FORCE COULD REACH THE MID-ATLANTIC STATES...INCLUDING LONG ISLAND...BY LATE MONDAY.

STORM SURGE...THE COMBINATION OF AN EXTREMELY DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

NC NORTH OF SURF CITY INCLUDING PAMLICO/ALBEMARLE SOUNDS...4 TO 6 FT
SE VA AND DELMARVA INCLUDING LOWER CHESAPEAKE BAY...2 TO 4 FT
UPPER AND MIDDLE CHESAPEAKE BAY...1 TO 3 FT
LONG ISLAND SOUND...RARITAN BAY...AND NEW YORK HARBOR...6 TO 11 FT
ELSEWHERE FROM OCEAN CITY MD TO THE CT/RI BORDER...4 TO 8 FT
CT/RI BORDER TO THE SOUTH SHORE OF CAPE COD INCLUDING BUZZARDS BAY AND NARRAGANSETT BAY...3 TO 6 FT

SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. GIVEN THE LARGE WIND FIELD ASSOCIATED WITH SANDY...ELEVATED WATER LEVELS COULD SPAN MULTIPLE TIDE CYCLES RESULTING IN REPEATED AND EXTENDED PERIODS OF COASTAL AND BAYSIDE FLOODING. IN ADDITION... ELEVATED WATERS COULD OCCUR FAR REMOVED FROM THE CENTER OF SANDY. FURTHERMORE...THESE CONDITIONS WILL OCCUR REGARDLESS OF WHETHER SANDY IS A TROPICAL OR POST-TROPICAL CYCLONE. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL

NATIONAL WEATHER SERVICE OFFICE.

RAINFALL...RAINFALL TOTALS OF 3 TO 6 INCHES ARE EXPECTED OVER FAR NORTHEASTERN NORTH CAROLINA WITH ISOLATED MAXIMUM TOTALS OF 8 INCHES POSSIBLE. RAINFALL AMOUNTS OF 4 TO 8 INCHES ARE EXPECTED OVER PORTIONS OF THE MID ATLANTIC STATES...INCLUDING THE DELMARVA PENINSULA...WITH ISOLATED MAXIMUM AMOUNTS OF 12 INCHES POSSIBLE.

RAINFALL AMOUNTS OF 1 TO 3 INCHES WITH ISOLATED MAXIMUM AMOUNTS OF 5 INCHES ARE POSSIBLE FROM THE SOUTHERN TIER OF NEW YORK STATE NORTHEASTWARD THROUGH NEW ENGLAND.

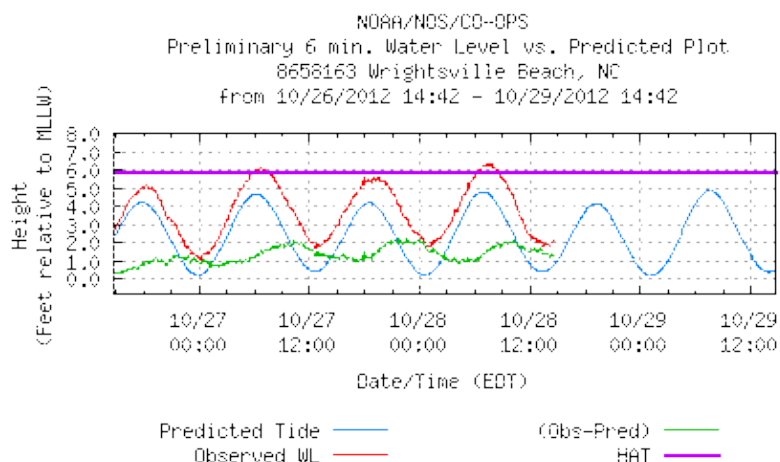
SURF...DANGEROUS SURF CONDITIONS WILL CONTINUE FROM FLORIDA THROUGH THE MID-ATLANTIC STATES FOR THE NEXT COUPLE OF DAYS AND SPREAD INTO THE NORTHEASTERN STATES LATER TODAY.

FORECASTER STEWART/FRANKLIN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Beaufort - Water Level](#), [Beaufort - Winds](#), [Beaufort - Barometric](#), [USCG Station Hatteras - Water Level](#), [USCG Station Hatteras - Winds](#), [USCG Station Hatteras - Barometric](#), [Duck - Water Level](#), [Duck - Winds](#), [Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Wachapreague - Water Level](#), [Wachapreague - Winds](#), [Wachapreague - Barometric](#), [Lewisetta - Water Level](#), [Lewisetta - Winds](#), [Lewisetta - Barometric](#), [Ocean City Inlet - Water Level](#), [Ocean City Inlet - Winds](#), [Ocean City Inlet - Barometric](#), [Lewes - Water Level](#), [Lewes - Winds](#), [Lewes - Barometric](#), [Cape May - Water Level](#), [Cape May - Winds](#), [Cape May - Barometric](#), [Cape May - Air/Water Temp](#), [Sandy Hook - Water Level](#), [Sandy Hook - Winds](#), [Sandy Hook - Barometric](#), [Sandy Hook - Air/Water Temp](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#),

Wrightsville Beach, NC - Return to List

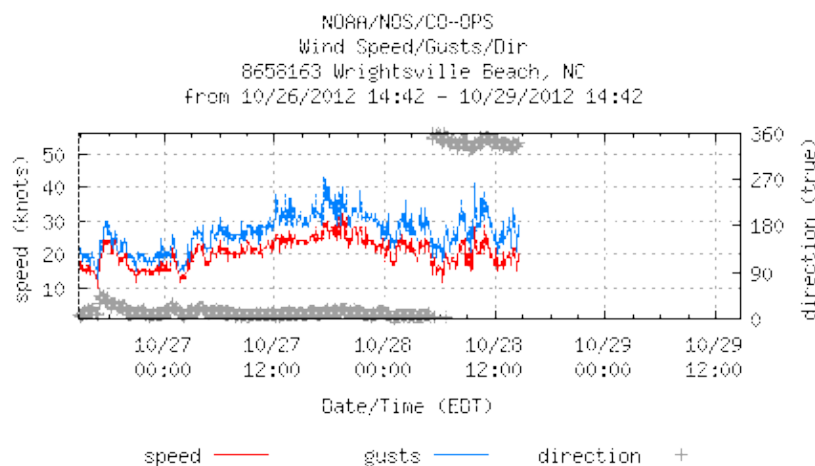


Last Observed Sample: 10/28/2012 14:30 (EDT)

Relative to MLLW: **Observed: 2.13 ft.** **Predicted: 0.78 ft.** **Residual: 1.35 ft.**

Historical Maximum Water Level: Sep 25 2008, 2.81 ft. above MHHW

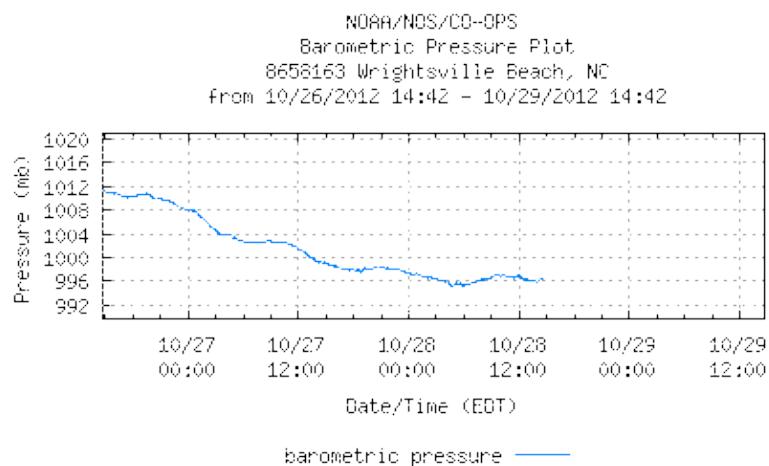
Wrightsville Beach, NC - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Wind Speed: 20 knots **Gusts: 29 knots** **Direction: 340° T**

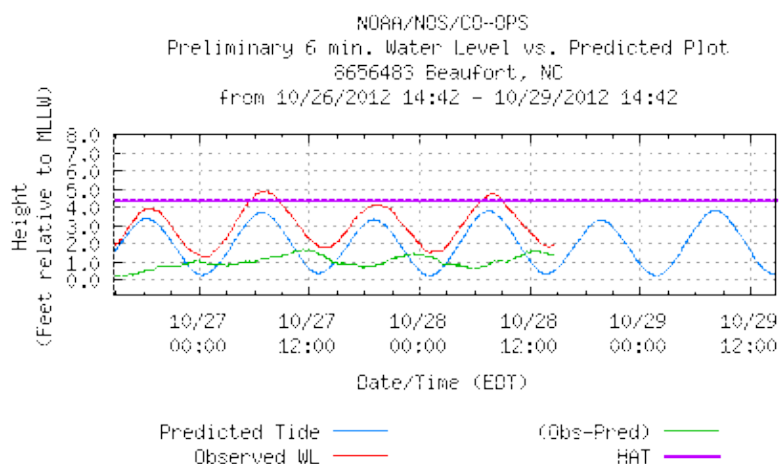
Wrightsville Beach, NC - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Barometric Pressure: 996.3 mb

Beaufort, NC - Return to List

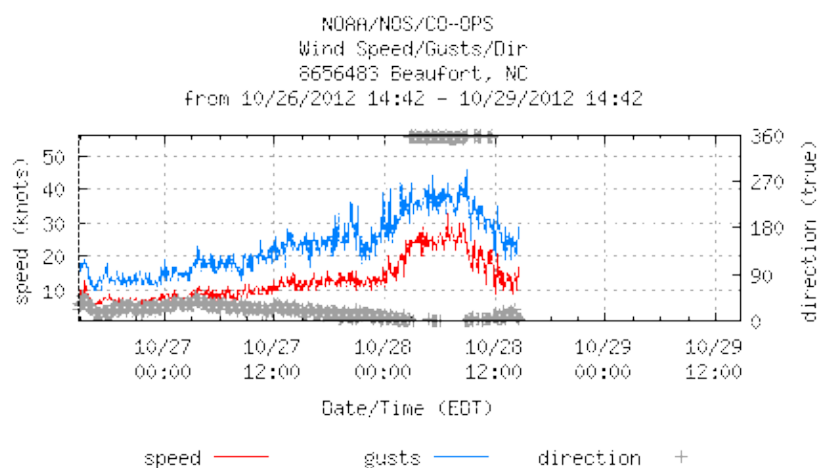


Last Observed Sample: 10/28/2012 14:30 (EDT)

Relative to MLLW: **Observed: 1.96 ft. Predicted: 0.52 ft. Residual: 1.44 ft.**

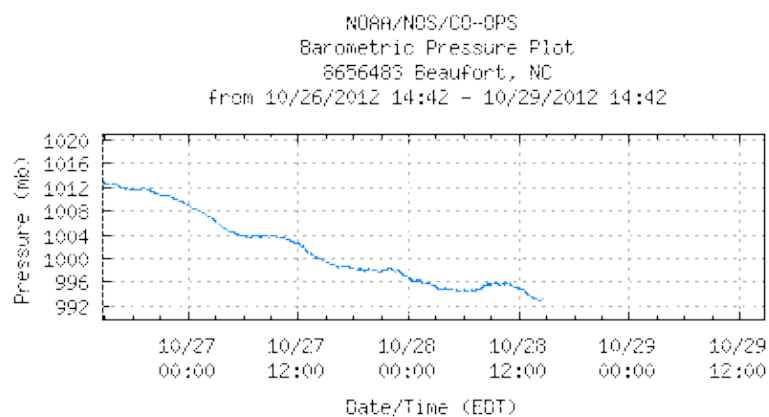
Historical Maximum Water Level: Sep 14 2005, 3 ft. above MHHW

Beaufort, NC - Return to List



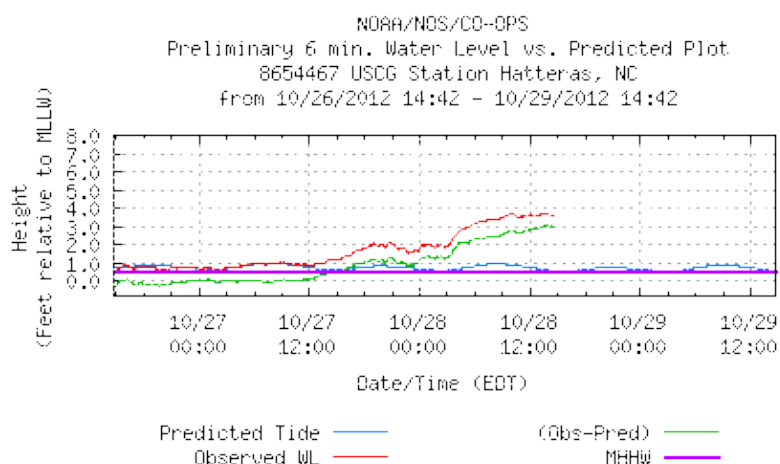
Last Observed Sample: 10/28/2012 14:30 (EDT)
Wind Speed: 17 knots Gusts: 29 knots Direction: 4° T

Beaufort, NC - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)
Barometric Pressure: 993.0 mb

USCG Station Hatteras, NC - Return to List

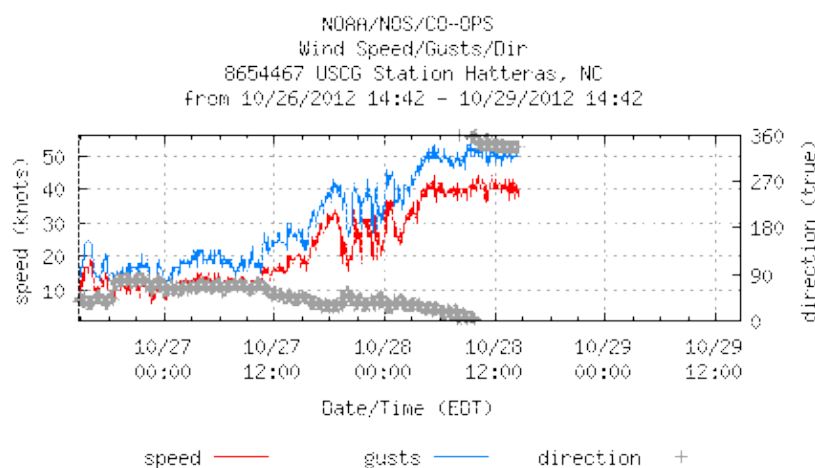


Last Observed Sample: 10/28/2012 14:30 (EDT)

Relative to MLLW: **Observed: 3.63 ft.** **Predicted: 0.60 ft.** **Residual: 3.03 ft.**

Historical Maximum Water Level: Sep 3 2010, 4.04 ft. above MHHW

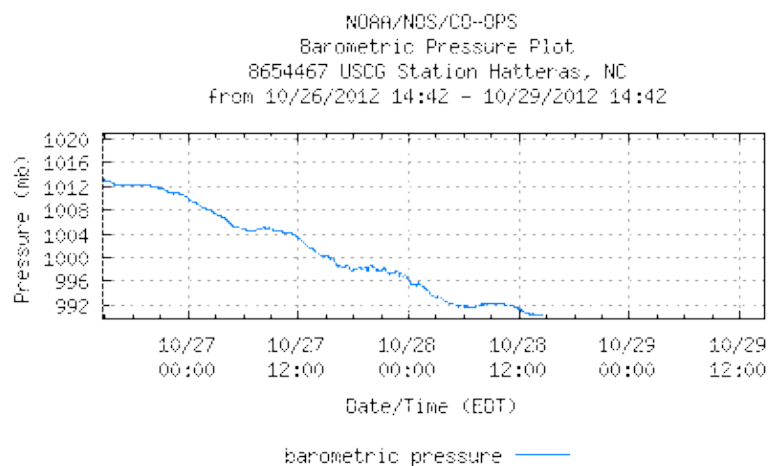
USCG Station Hatteras, NC - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Wind Speed: 38 knots **Gusts: 51 knots** **Direction: 336° T**

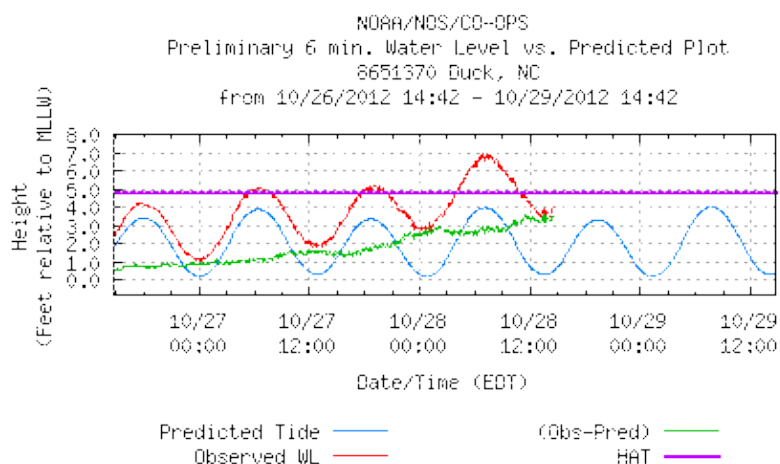
USCG Station Hatteras, NC - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Barometric Pressure: 990.2 mb

Duck, NC - Return to List

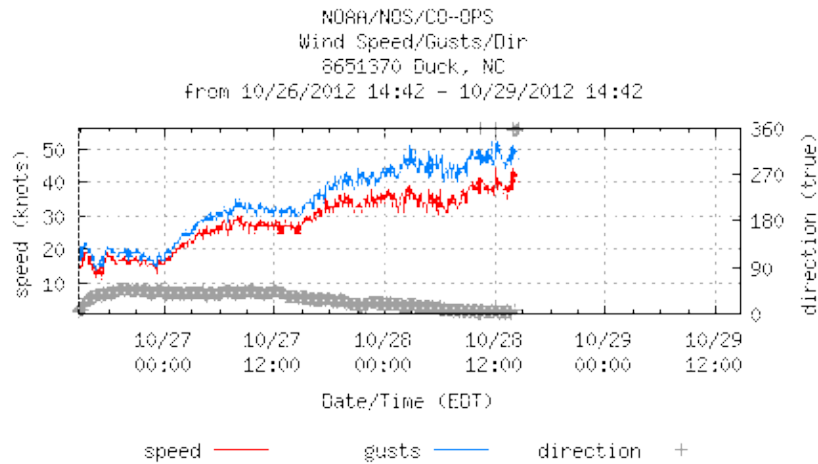


Last Observed Sample: 10/28/2012 14:30 (EDT)

Relative to MLLW: **Observed: 4.07 ft. Predicted: 0.51 ft. Residual: 3.56 ft.**

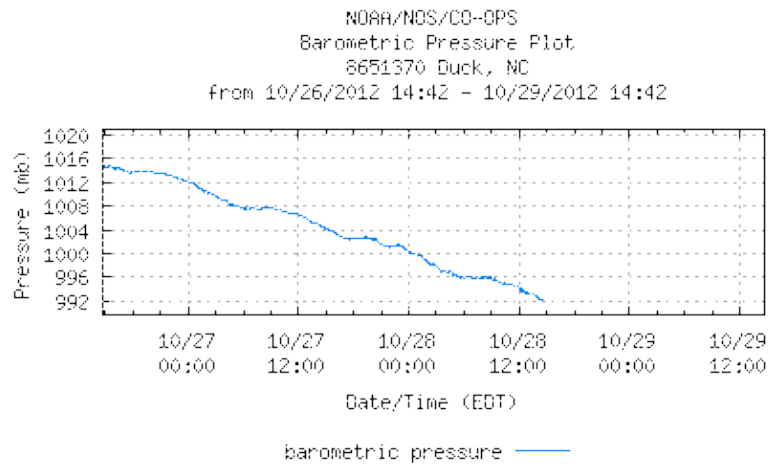
Historical Maximum Water Level: Sep 18 2003, 4.13 ft. above MHHW

Duck, NC - Return to List



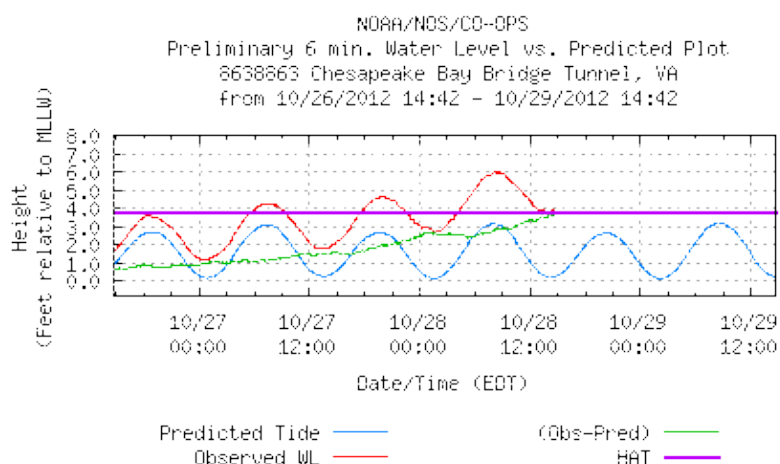
Last Observed Sample: 10/28/2012 14:30 (EDT)
Wind Speed: 40 knots Gusts: 47 knots Direction: 359° T

Duck, NC - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)
Barometric Pressure: 992.1 mb

Chesapeake Bay Bridge Tunnel, VA - Return to List

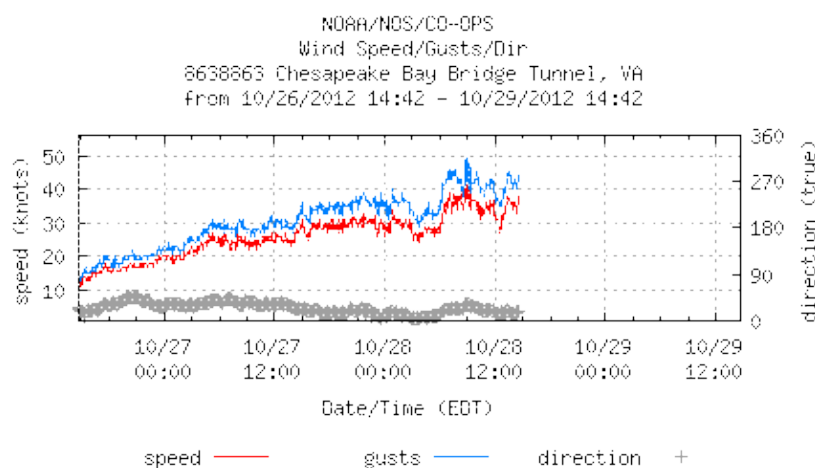


Last Observed Sample: 10/28/2012 14:30 (EDT)

Relative to MLLW: **Observed: 3.95 ft.** **Predicted: 0.27 ft.** **Residual: 3.68 ft.**

Historical Maximum Water Level: Nov 12 2009, 4.66 ft. above MHHW

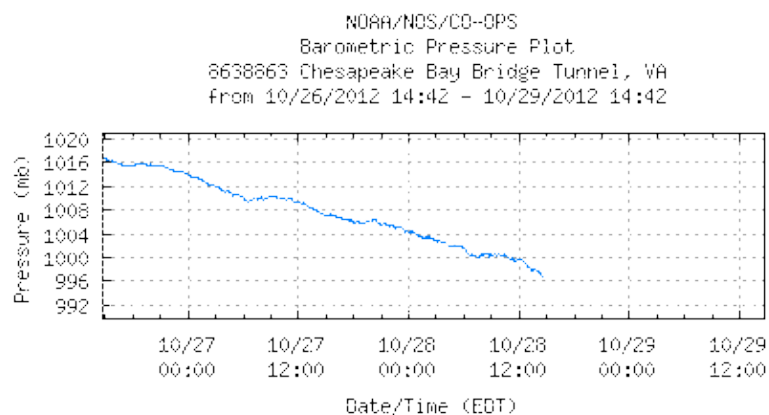
Chesapeake Bay Bridge Tunnel, VA - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Wind Speed: 38 knots **Gusts: 44 knots** **Direction: 19° T**

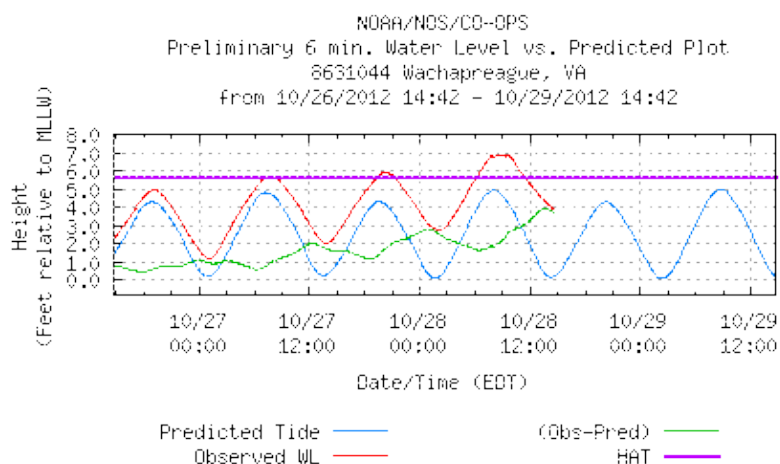
Chesapeake Bay Bridge Tunnel, VA - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Barometric Pressure: 996.8 mb

Wachapreague, VA - Return to List

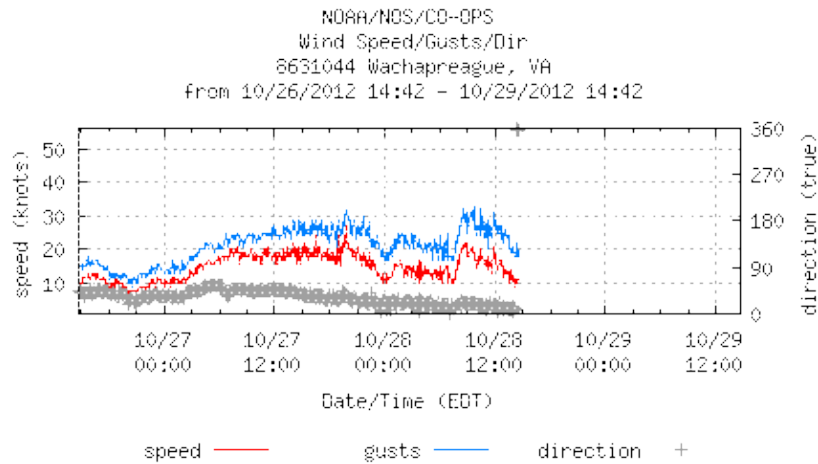


Last Observed Sample: 10/28/2012 14:30 (EDT)

Relative to MLLW: **Observed: 3.96 ft.** **Predicted: 0.21 ft.** **Residual: 3.75 ft.**

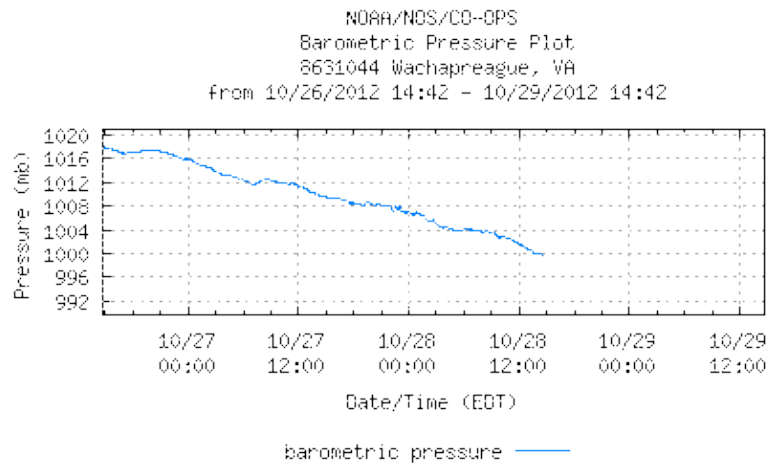
Historical Maximum Water Level: Feb 5 1998, 4.41 ft. above MHHW

Wachapreague, VA - Return to List



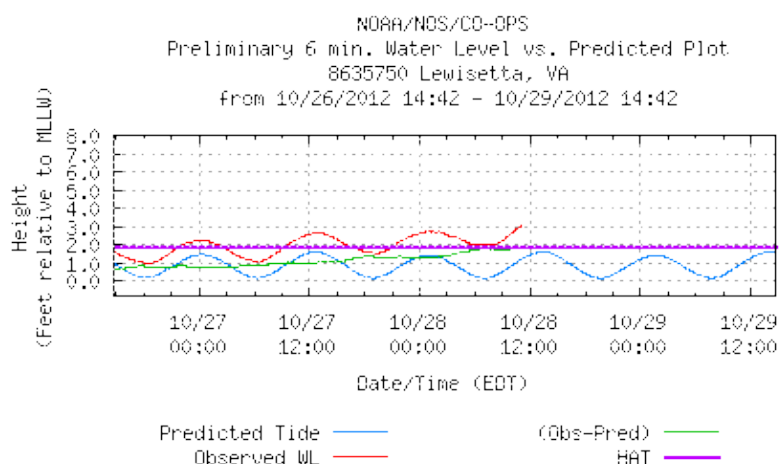
Last Observed Sample: 10/28/2012 14:30 (EDT)
Wind Speed: 11 knots Gusts: 18 knots Direction: 358° T

Wachapreague, VA - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)
Barometric Pressure: 999.7 mb

Lewisetta, VA - Return to List

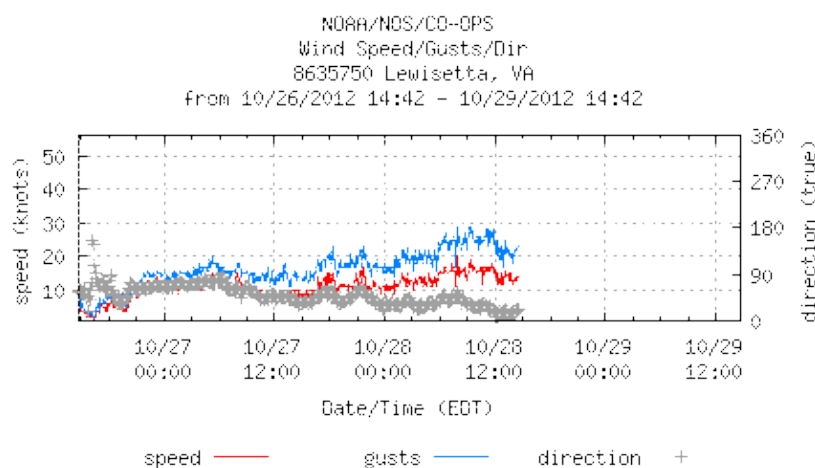


Last Observed Sample: 10/28/2012 11:06 (EDT)

Relative to MLLW: **Observed: 3.10 ft.** **Predicted: 1.24 ft.** **Residual: 1.86 ft.**

Historical Maximum Water Level: Sep 1 2006, 4.14 ft. above MHHW

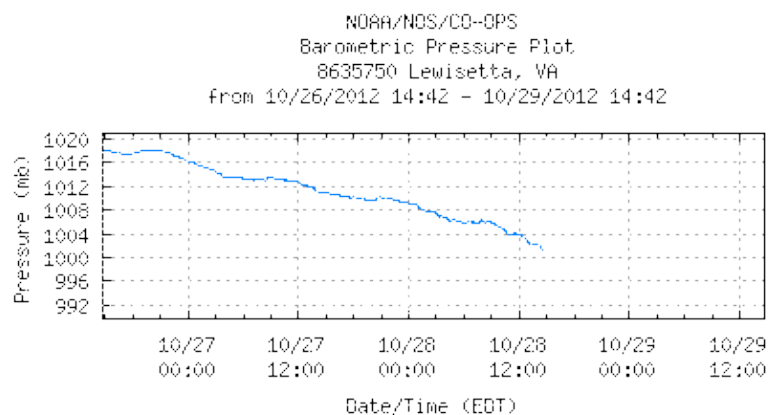
Lewisetta, VA - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Wind Speed: 14 knots **Gusts: 23 knots** Direction: 22° T

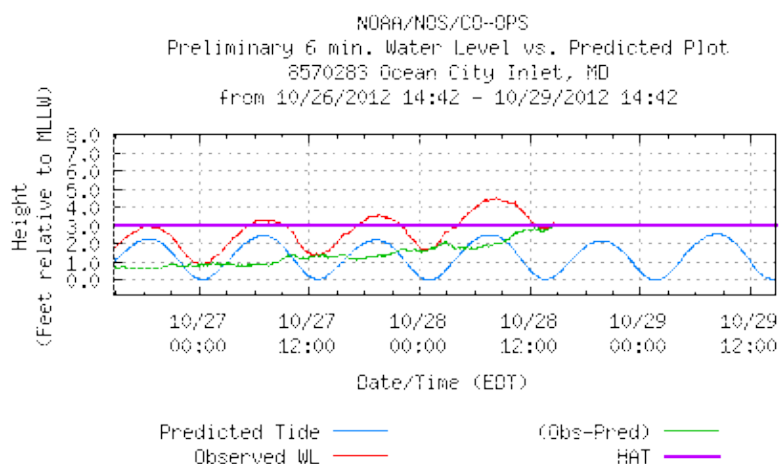
Lewisetta, VA - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Barometric Pressure: 1001.4 mb

Ocean City Inlet, MD - Return to List

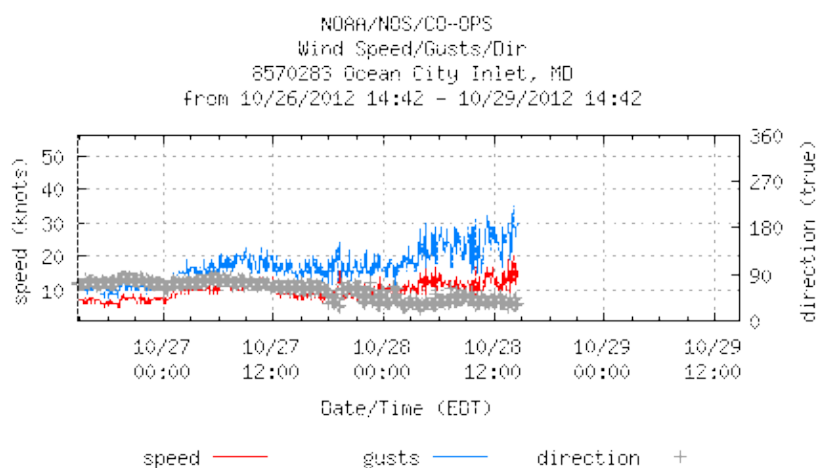


Last Observed Sample: 10/28/2012 14:30 (EDT)

Relative to MLLW: **Observed: 3.16 ft.** **Predicted: 0.20 ft.** **Residual: 2.96 ft.**

Historical Maximum Water Level: Feb 5 1998, 3.61 ft. above MHHW

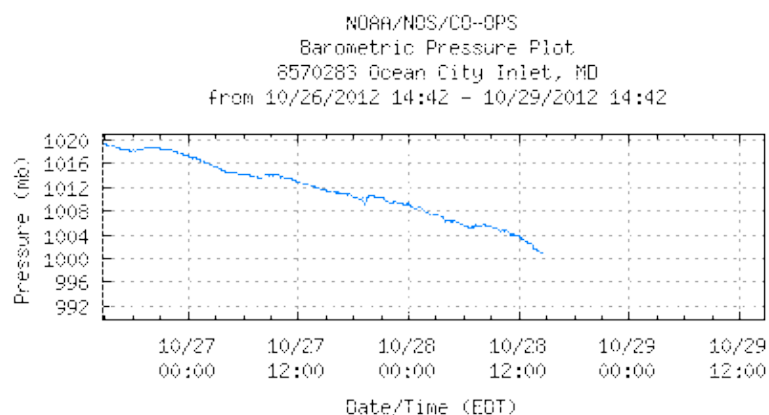
[Ocean City Inlet, MD - Return to List](#)



Last Observed Sample: 10/28/2012 14:30 (EDT)

Wind Speed: 16 knots Gusts: 30 knots Direction: 33° T

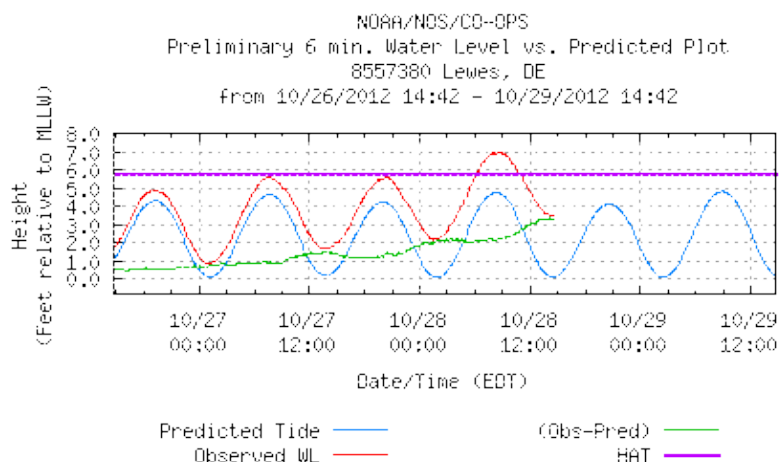
[Ocean City Inlet, MD - Return to List](#)



Last Observed Sample: 10/28/2012 14:30 (EDT)

Barometric Pressure: 1000.9 mb

Lewes, DE - Return to List

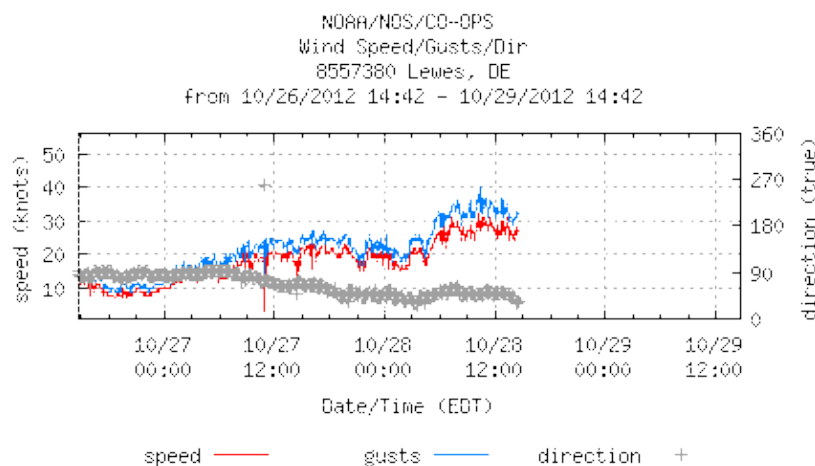


Last Observed Sample: 10/28/2012 14:30 (EDT)

Relative to MLLW: **Observed: 3.48 ft.** **Predicted: 0.17 ft.** **Residual: 3.31 ft.**

Historical Maximum Water Level: Mar 6 1962, 4.57 ft. above MHHW

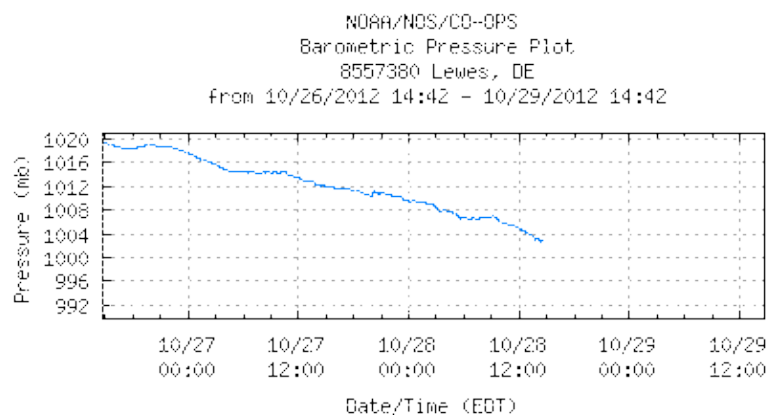
Lewes, DE - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Wind Speed: 27 knots **Gusts: 32 knots** **Direction: 34° T**

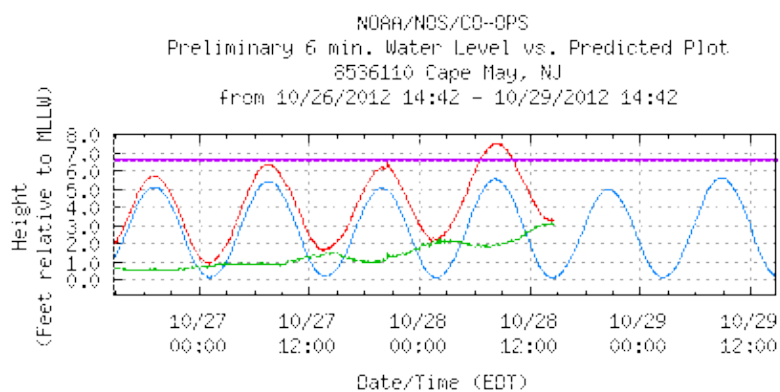
Lewes, DE - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Barometric Pressure: 1002.8 mb

Cape May, NJ - Return to List

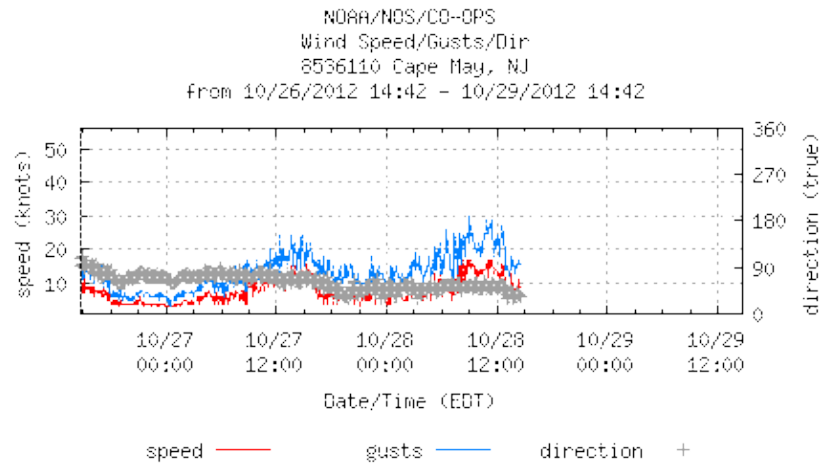


Last Observed Sample: 10/28/2012 14:36 (EDT)

Relative to MLLW: **Observed: 3.34 ft. Predicted: 0.19 ft. Residual: 3.15 ft.**

Historical Maximum Water Level: Sep 27 1985, 3.36 ft. above MHHW

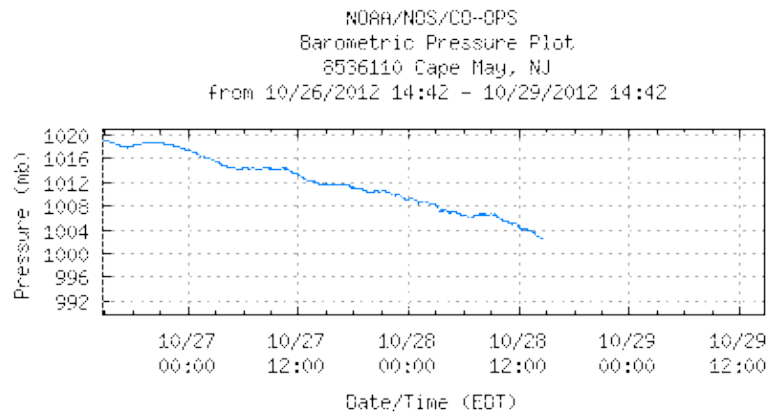
Cape May, NJ - Return to List



Last Observed Sample: 10/28/2012 14:36 (EDT)

Wind Speed: 8 knots Gusts: 15 knots Direction: 39° T

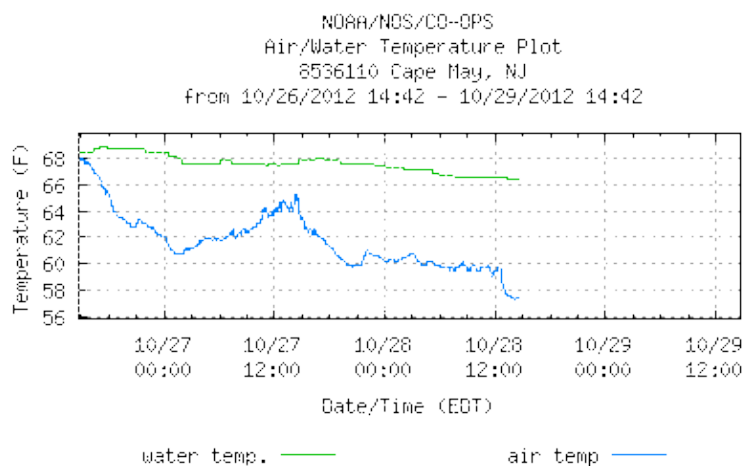
Cape May, NJ - Return to List



Last Observed Sample: 10/28/2012 14:36 (EDT)

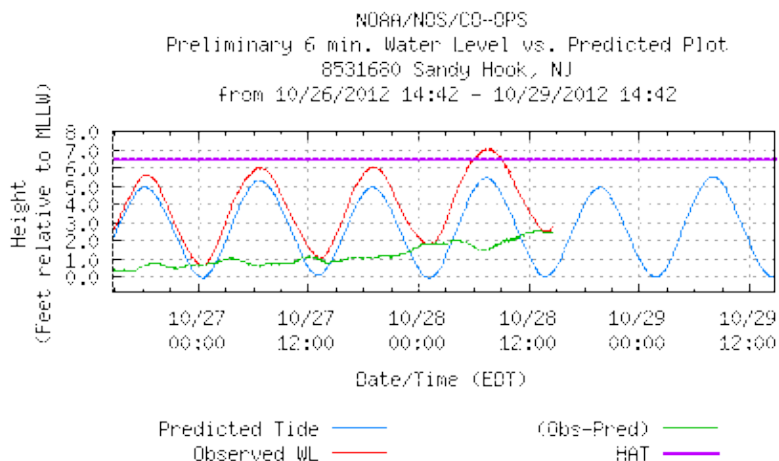
Barometric Pressure: 1002.4 mb

Cape May, NJ - Return to List



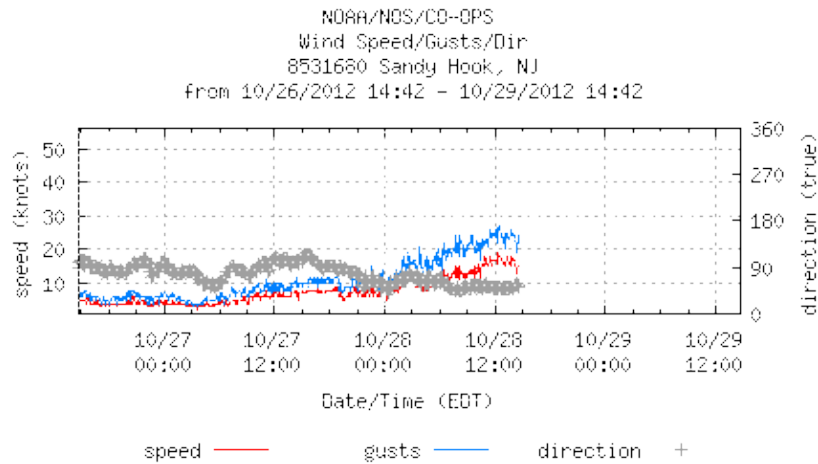
Last Observed Sample: 10/28/2012 14:36 (EDT)
Water Temperature: 66.4° F Air Temperature: 57.4° F

Sandy Hook, NJ - Return to List



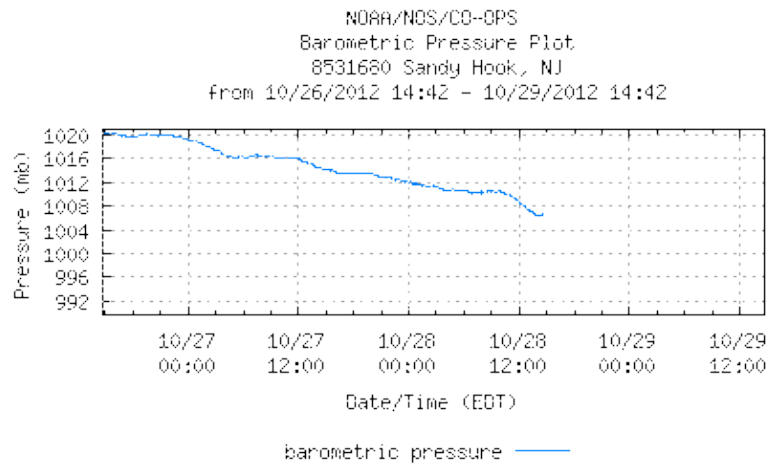
Last Observed Sample: 10/28/2012 14:36 (EDT)
Relative to MLLW: Observed: 2.80 ft. Predicted: 0.35 ft. Residual: 2.45 ft.
Historical Maximum Water Level: Sep 12 1960, 4.86 ft. above MHHW

Sandy Hook, NJ - Return to List



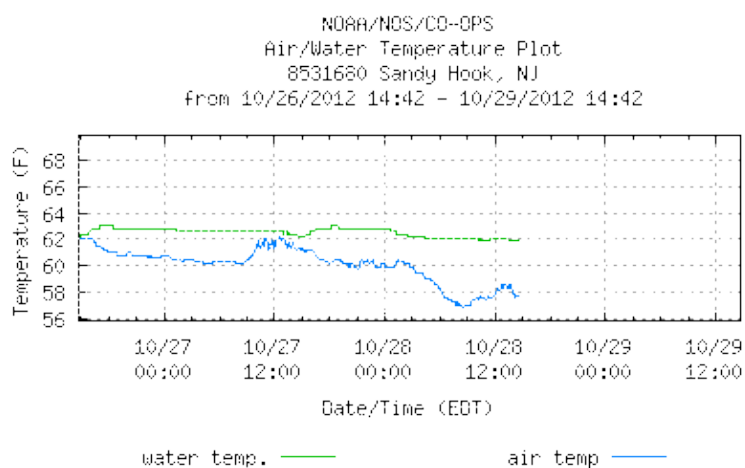
Last Observed Sample: 10/28/2012 14:36 (EDT)
Wind Speed: 15 knots Gusts: 22 knots Direction: 53° T

Sandy Hook, NJ - Return to List



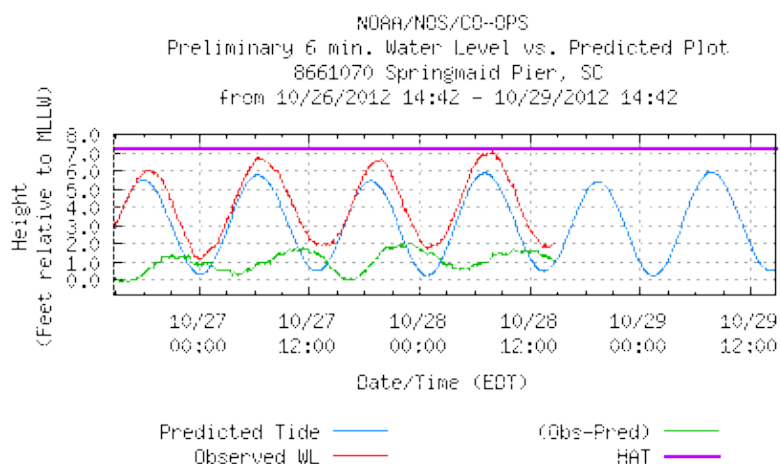
Last Observed Sample: 10/28/2012 14:36 (EDT)
Barometric Pressure: 1006.4 mb

Sandy Hook, NJ - Return to List



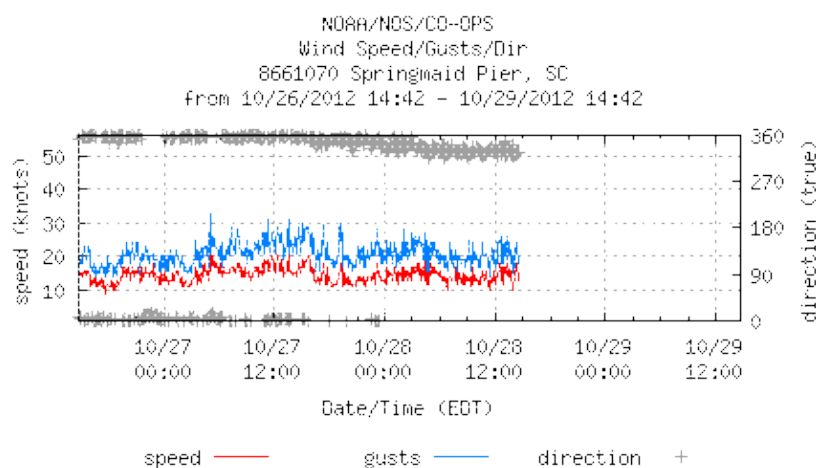
Last Observed Sample: 10/28/2012 14:36 (EDT)
Water Temperature: 61.9° F Air Temperature: 57.7° F

Springmaid Pier, SC - Return to List



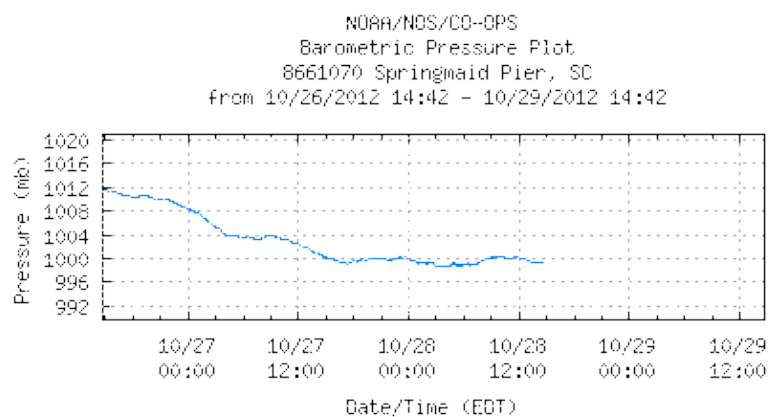
Last Observed Sample: 10/28/2012 14:30 (EDT)
Relative to MLLW: Observed: 2.01 ft. Predicted: 0.86 ft. Residual: 1.15 ft.
Historical Maximum Water Level: Jan 1 1987, 3.65 ft. above MHHW

[Springmaid Pier, SC - Return to List](#)



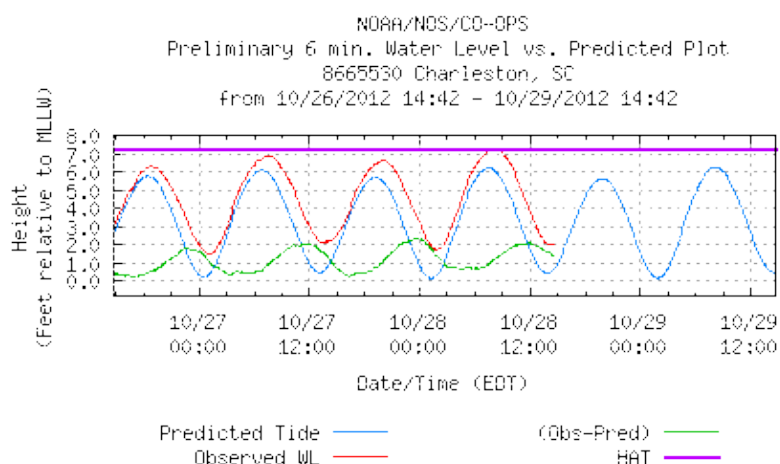
Last Observed Sample: 10/28/2012 14:30 (EDT)
Wind Speed: 13 knots Gusts: 18 knots Direction: 325° T

[Springmaid Pier, SC - Return to List](#)



Last Observed Sample: 10/28/2012 14:30 (EDT)
Barometric Pressure: 999.3 mb

Charleston, SC - Return to List

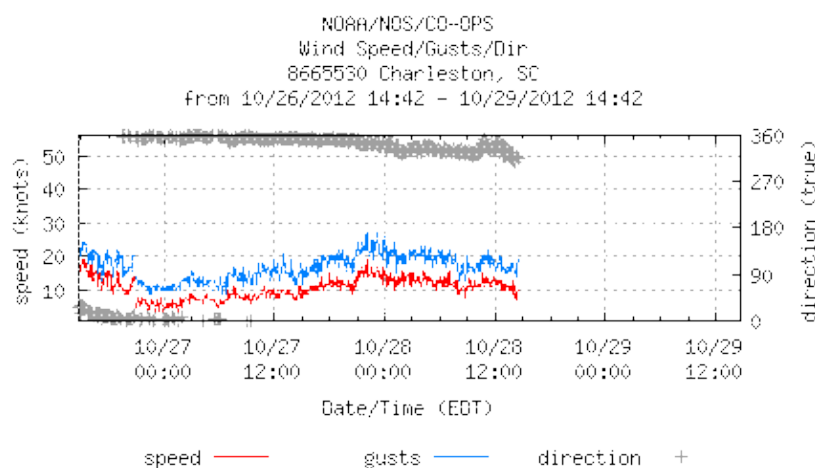


Last Observed Sample: 10/28/2012 14:30 (EDT)

Relative to MLLW: **Observed: 2.04 ft.** **Predicted: 0.65 ft.** **Residual: 1.39 ft.**

Historical Maximum Water Level: Sep 21 1989, 6.76 ft. above MHHW

Charleston, SC - Return to List



Last Observed Sample: 10/28/2012 14:30 (EDT)

Wind Speed: 10 knots **Gusts: 19 knots** **Direction: 317° T**

Hurricane SANDY QuickLook, POSTED 12:00 EDT 10/28/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce